Celia Gao

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Summary

- 6+ years of programming and application development experience as a Web Application **.NET Fullstack developer** in both front-end and back-end web application design by using .NET.
- Technical expertise in **ASP.NET MVC5, C#.NET, Web API, LINQ, Azure, RESTful, Entity Framework(EF/EF Core).**
- Experience in responsive UI design and tools such as **Angular 10, TypeScript, HTML5/HTML, JavaScript, CSS3/CSS,** and **Bootstrap.**
- Experience in writing **Components, Pipes, Directives, Routers, Templates,** and **Services** to separate concerns and handle different situations by using **Angular 10.**
- Good understanding of creating and managing **View Models, Controllers, Views, Partial Views,** and **Action Filters** using **ASP. NET MVC5.**
- Experience with ASP.NET Core **Web API** to create **HTTP RESTful Services** to communicate with UI objects using JSON.
- Good Knowledge in **ORM** technologies like **Code First** and **Database First** approaches using Entity Framework (EF/EF Core)**.**
- Proficient in writing **SQL Queries, Stored Procedures, Cursor, Views, Triggers, Virtual Table, Joins,** and **Constraints** in Microsoft SQL Server environments and query optimization.
- Hands-on experience in using version controls like **TFS** and **Git** and project management tools like JIRA.
- Working knowledge in testing and documenting the RESTful API services using **Postman** and **Swagger**.
- Good knowledge of unit testing software and tools, including **NUnit, XUnit,** and **MOQ framework** to improve program efficiency and provide higher code quality.
- Knowledge in creating and deploying code on cloud platforms such as **Microsoft Azure**.
- Worked with different software development life cycle processes like **Agile (Scrum) Methodologies**.
- Strong conceptual, analytical, and design skills and excellent communication skills with **leadership** qualities.

Technical Skills

Languages & Database	C#.NET, C++, T-SQL, SQL Server 2017/2016.
.NET Technologies	.NET Core, ASP.NET Core Web API, ASP.NET Core, ASP.NET MVC5, RESTful, LINQ, Dapper, Entity Framework (EF/EF Core)
Web Technologies	Angular 10, TypeScript, HTML5, CSS3, Bootstrap, JavaScript, JQuery.
Version Controls	GIT, Team Foundation Server.
Testing & Bug Tracking Tools	Postman, Swagger, XUnit, NUnit, MS test, MOQ framework**.**
IDE Tools & Others	VS Code, Visual Studio 2022/2019/2017, SSMS, MS Azure, JIRA.

Work Experience

Gallup
.NET Developer

Lincoln, NE
Dec 2020 to Present

Description:
Gallup is a global analytics and advice company that helps organizations improve their performance through data-driven insights. My team was responsible for the Gallup Store that sells CliftonStrengths assessments, Q12 surveys, books, study materials, and online courses. My team was responsible for Analysis, Design, Development, Testing, Implementation and support application code for new implementations and upgrades. I was responsible for managing

online assessment subscriptions, developing features to sell virtual courses and books, and ensuring proper integration of online assessments.

Responsibilities:
- Responsible for designing and developing the UI using **Angular 10, Bootstrap, TypeScript, HTML5, CSS3** and **JavaScript.**
- Used Single Page Applications (SPA) using Angular 10, **Dependency Injection, Routing, Components, Services, Lazy Loading, Custom Directives, Pipes,** and **Promises.**
- Implemented routing using Angular 10 Router module for navigating in different components of application and protected routes using **Route Guards**.
- Created **Authorization** and **Authentication** in **Angular 10** using Auth Guard by implementing CanActivate , CanDeactivate, and **JWT** .
- Used **CSS3** styles to maintain the uniformity of all the screens throughout the application and positioning of screen objects.
- Built **Web API** with CRUD operation and made calls to the web services using URLs, which would perform GET, PUT, POST, and DELETE operations on the server.
- Utilized **HTTPClient** and **interceptors** for error handling, authentication, and authorization.
- Configured **CORS** using ASP.NET CORS Middleware and diagnostic logging with Authentication and Serilog, respectively.
- Performed **Microsoft Azure Service Bus** to send and receive messages from a queue and Azure Function to store into various Azure data services such as Azure SQL DB and DocumentDB.
- Debugged **Web API** with **Postman** to check HTTP verbs GET**,** POST**,** PUT, and DELETE for the respective methods.
- Utilized the **GIT** source control software to keep track of new and past versions of code written in the application.
- Performed **Agile (SCRUM)** methodology for the development and responsible for attending daily scrum meetings to accommodate client's requirements.

Environment: VS Code, Angular 10, TypeScript, HTML5, CSS3, Bootstrap, NUnit, GIT, Agile (SCRUM), MS Azure, ASP.NET, Web API, C#.NET, Visual Studio 2019, Postman.

Sandhills Global Inc.
Lincoln, NE
Full Stack Developer
Sept 2019 to Nov 2020

Description:
Sandhills Global is a technology company based in Lincoln, Nebraska that provides a range of information technology services and products. They specialize in cloud-based software solutions for several industries, including Agriculture, Construction, Transportation, and Energy. My team was responsible for developing one of the self-owned brands, ForestTrader,a brand to sell forest equipment. I developed features which allows sellers to upload equipment information for sale and for buyers to buy, bid, and contact with the seller based on specific equipment.

Responsibilities:
- Designed and developed the application using **Angular 7, HTML5, CSS3, Bootstrap, TypeScript, ASP.NET, Web API,** and **Entity Framework Core.**
- Utilized **Route Guard** to determine whether it should allow navigation to a requested route based on different user roles.
- Used **Two-way data binding** for synchronization of data between model and view components, string interpolation to present data to the user, and event binding to call functions as a response to user actions in templates.
- Utilized **Angular CLI** to generate services for data accessing, and implemented **Dependency Injection** to inject services into the component.
- Implemented **Code-First Entity Framework Core** with **Fluent API** to configure the mapping between database schema and the objects in the application.
- Participated in daily **scrum** meetings and applied **Agile** methodologies to ensure everyone in the team cooperated well and communicated efficiently.
- Tested **ASP.NET Web API** service by using **Postman** to troubleshoot the issues in the application.
- Utilized **RabbitMQ** to push reminder messages when users need to write business assessment and rating for services.
- Performed **MS Test** framework to write and execute unit tests to verify the functionality of the application components.

Environment: C#, Angular 8, ASP .NET, ASP.NET, VS Code, Entity Framework Core, Bootstrap, HTML5, CSS3, Visual Studio 2019, TypeScript, ASP.NET Web API, Azure, JIRA, GIT, MS test, MOQ framework, JSON, Agile-Scrum.

Assurity Life Insurance Company

Lincoln, NE

Software Developer

July 2017 to Aug 2019

Description:

Assurity offers a variety of life insurance products, including term life insurance, whole life insurance, and universal life insurance, as well as annuity products and other financial services. My team was responsible for the group and individual Life Insurance web app development. I developed features of customers' life insurance plans Summary, Requests, and Claims based on the customers' income, assets, investments, and expenses assessment.

Responsibilities:

● Used **MVC** framework for developing the application as it will distribute the development in **Model**, **Views**, and **Controllers** supporting stateless development.
● Implemented .NET classes for Business Logic Layer using **C#** and used **Entity Framework** to implement a data access layer.
● Created and maintained database objects like complex **Stored Procedures, Triggers, Virtual Tables, Views,** and **SQL Joins.**
● Implemented **Data Access Object** for application to access and manipulate the data in SQL Server database.
● Developed complex **MVC Controller** and **ViewModels** linked to the backend database.
● Used **ASP.NET MVC Page Controller** pattern to add functionality to individual pages such that to accept input from the page request, and invoke the requested actions.
● Created Client-side validations with jQuery **selectors**, Events, and Server-side **validations** with ASP.NET.
● Utilized Dapper as the Data Access Layer and implemented data objects, Mapping and executed stored procedures.
● Performed **asynchronous** controllers/methods in ASP.NET Web API using **Tasks**, **Async**, and **Await**.
● Performed **Unit Testing** and wrote unit tests using **XUnit** and **MOQ** as the mocking framework.
● Employed **Agile(SCRUM)** methodology during development and took responsibility for attending daily scrum meetings to cater to the client's requirements.

Environment: C#.NET, JavaScript, ASP.NET MVC5, Dapper, ASP.NET Web API, HTML, CSS, Agile SCRUM, MOQ framework, jQuery, Visual Studio 2015, MS Azure, XUnit, Postman.

CITIC Securities Co., Ltd

Guangdong, China

Software Developer

May 2016 to June 2017

Description:

CITIC Securities Co., Ltd. is China's largest full-service investment bank. It offers services in underwriting, research, brokerage, asset management, wealth management, and investment advisory. My team in the IT department developed web application features for the Budget Entry and Report internal application. I established web app features that manage financial data for planning, budgeting, and forecasting. It allowed building a central repository to store contributor information, donation history, and event records.

Responsibilities:

● Designed and implemented application using Object Oriented Programming **C#**, **ASP.NET, HTML, CSS, JavaScript and User Controls.**
● Used **HTML** and **CSS** and for styling the Web pages.
● Extensively used **ADO.NET** objects such as **DataAdapter**, **Dataset**, **DataReader**, and **DataView**.
● Refactored code from ADO.NET to Dapper ORM for easier usage and less unmaintainable code.
● Implemented exception handling and developed **custom error pages**.
● Utilized the **Agile (SCRUM)** approach for development and participated in daily scrum meetings to meet the client's needs.

Environment: C#.NET, ASP.NET, HTML, CSS, ADO.NET, SQL Server 2016, JavaScript, and Visual Studio 2016.